

JC02 Rec'd PCT/PTO 06 MAY 2005

Docket No. 21298 US (C038435/0183236)

PLT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*In re* Application of:

)

Tatsuo HOSHINO *et al.*

)

Application Serial No.: 10/518,530

) Examiner: Not yet assigned

Filed: December 20, 2004

) Art Unit: Not yet assigned

)

For: **PROCESS FOR PRODUCING  
CAROTENOIDS**

)

)

New York, NY  
May 3, 2005

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record the following documents (clean copies and a Form PTO-1449 listing the documents are enclosed).

US PATENT DOCUMENTS

	<u>Document No.</u>	<u>Date</u>
A2	5,972,642	10/26/99
A3	5,356,809	10/18/94

OTHER DOCUMENTS

- C4 Golubev, W.I., "Perfect State of *Rhodomyces dendrorhous* (*Phaffia rhodozyma*)," Yeast, vol. 11 , pp. 101-110 (1995).
- C5 Misawa, N. et al., "Elucidation of the *Erwinia uredovora* Carotenoid Biosynthetic Pathway by Functional Analysis of Gene Products Expressed in *Escherichia coli*," Journal of Bacteriology, vol. 172, no. 12, pp. 6704-6712 (1990).
- C6 Yamano, S. et al. "Metabolic Engineering for Production of  $\beta$ -Carotene and Lycopene in *Saccharomyces cerevisiae*", Biosci. Biotech. Biochem., vol. 58, no. 6, pp. 1112-1114 (1994).
- C7 Miura, Y. et al., "Production of Lycopene by the Food Yeast, *Candida utilis* That Does Not Naturally Synthesize Carotenoid", Biotechnology and Bioengineering, vol. 58, nos. 2 & 3, pp. 306-308 (1998).
- C8 Johnson, E.A. and An, G. "Astaxanthin from Microbial Sources", Critical Reviews in Biotechnology, vol. 11, no. 4, pp. 297-326 (1991).
- C9 Biller, S.A. et al. "Squalene Synthase Inhibitors", Current Pharmaceutical Design, vol. 2, no. 1, pp. 1-40.

The Examiner's independent consideration of all of these documents and their relevance before issuance of the first official action is respectfully requested. The Examiner is also requested to initial and return a copy of the accompanying form PTO-1449 to evidence such consideration.

This Information Disclosure Statement is being filed in accordance with the provisions under 37 C.F.R. §1.97(b)(3), "[b]efore the mailing of a first Office action on the merits." Accordingly, no fee is believed to be due. If, however, a fee is due,

please charge the same to Deposit Account No. 02-4467. A duplicate copy of this sheet is enclosed.

If the Examiner has any questions regarding this paper, please contact the undersigned attorney.

I hereby certify that this Information Disclosure Statement, is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 3, 2005.

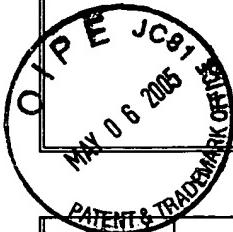
  
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Respectfully submitted,

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Form PTO-1449 (Rev. )	U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE	ATTY. DOCKET NO. 21298 US (C038435/0183)	APPLICATION NO.: 10/518,530
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICANT Tatsuo HOSHINO <i>et al.</i>	
(Use several sheets if necessary)		FILED DATE December 20, 2004	GROUP Not Yet Assigned

**U.S. PATENT DOCUMENTS**

Examiner Initial	Cite No.	U.S. Patent Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A2	5,972,642	10/26/99	Flenø <i>et al.</i>			
	A3	5,356,809	10/18/94	Johnson <i>et al.</i>			

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

C4	Golubev, W.I. "Perfect State of Rhodomyces dendrorhous ( <i>Phaffia rhodozyma</i> )", <u>Yeast</u> , vol. 11, pp. 101-110 (1995).
C5	Misawa, N. <i>et al.</i> "Elucidation of the <i>Erwinia uredovora</i> Carotenoid Biosynthetic Pathway by Functional Analysis of Gene Products Expressed in <i>Escherichia coli</i> ", <u>Journal of Bacteriology</u> , vol. 172, no. 12, pp. 6704-6712 (1990).
C6	Yamano, S. <i>et al.</i> "Metabolic Engineering for Production of β-Carotene and Lycopene in <i>Saccharomyces cerevisiae</i> ", <u>Biosci. Biotech. Biochem.</u> , vol. 58, no. 6, pp. 1112-1114 (1994).
C7	Miura, Y. <i>et al.</i> "Production of Lycopene by the Food Yeast, <i>Candida utilis</i> That Does Not Naturally Synthesize Carotenoid", <u>Biotechnology and Bioengineering</u> , vol. 58, nos. 2 & 3, pp. 306-308 (1998).
C8	Johnson, E.A. and An, G. "Astaxanthin from Microbial Sources", <u>Critical Reviews in Biotechnology</u> , vol. 11, no. 4, pp. 297-326 (1991).
C9	Biller, S.A. <i>et al.</i> "Squalene Synthase Inhibitors", <u>Current Pharmaceutical Design</u> , vol. 2, no. 1, pp. 1-40.

EXAMINER	DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.